Human KCR1 Regulation of Herg Potassium Channel 

INIH--I---

--A-L-----I-----Bi----

TELQKKKEERLPPAKGPLSELRRVLQFLLMYSMSLKNLSMLFLLTWPYMLLLLAFFVFVVVVNGGIVVGDR SSHEACLHFPQLFYFFSFTAFFSFPHLLSPTKVKTFLSLVWKRRVQFSVITLVSVFLVWKFTYVHKYLLA DNRHYTFYVWKRVFQRHEIVKYLLVPAYMFAGWAVADSLKSKSIFWNLMFFVCLVASTVPQKLLEFRYFI MAQLEGYYFSAALSCTFLVSCLLFSAFSRALREPYMDEIFHLPQAQRYCEGRFSLSQWDPMITTLPGLYL PTLYFFNFLYYTEAGSVFFTLFAYLMCLYGNHRTSALLGFCGFMFRQTNIIWAAFCAGHIIAQKCSEAWK VSVGVVKPASWILGWSEHVVCSIGMLRFVHLLFSVGNFYLLYLLFRKIQPRNKASSSIQRILSTLTLAVF ---V----VT------C----I--GFL-CA-TMS11 TMS9 ----HGIL-L-V------N-H--TMS6 ---K---F---TMS10 --D---I---FA-F-TMS8 TMS5 TMS1

Title:

rKCR1 hKCR1 Applicant(s): Serial No.:

Block

Balser, et al. 10/000,151

LPYIIYRLNMPLPPISRLVCELGCYAVVNFLTFYIFLNKTFQWSDSHDIQRFMW

Title: Human KCR1 Regulation of Herg Potassium Channel
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Applicant(s): Balser, et al.
Serial No.: 10/000,151

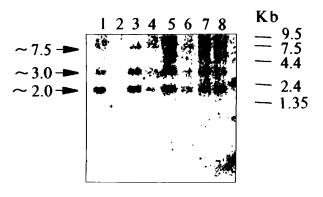


FIG. 1B

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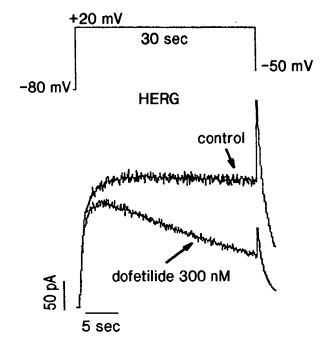


FIG. 2A

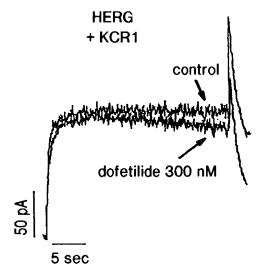


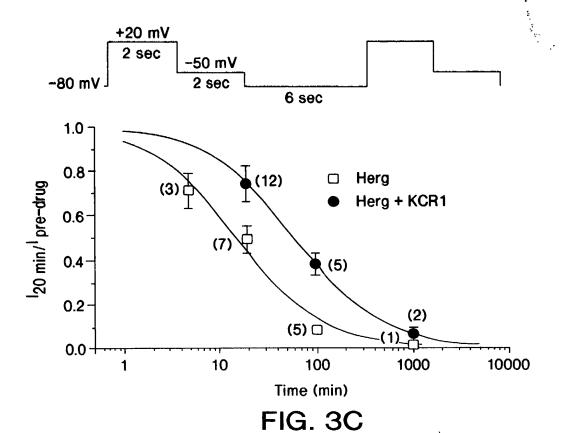
FIG. 2B

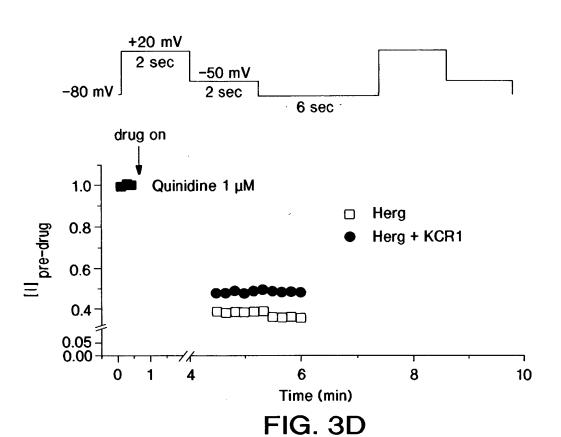
Human KCR1 Regulation of Herg Potassium Channel Title: Applicant(s): Balser, et al. Serial No.: 10/000,151 +20 mV 2 sec -50 mV -80 mV 2 sec 6 sec drug on 1.0 0.9 8.0 0.7 -KCR 1 0.6 control 0.5 dofetilide 20 nM 0.4 sotalol 300 µM 0.0 5 20 0 10 15 FIG. 3A Time (min) +20 mV 2 sec 50 mV -80 mV 2 sec 6 sec drug on 1.0 0.9 [I] pre-drug 8.0 +KCR1 0.7 control 0.6 dofetilide 20 nM 0.5 sotalol 300 µM 0.0 10 25 0 5 15 20 FIG. 3B Time (min)

Title: Human KCR1 Regulation of Herg Potassium Channel

Block

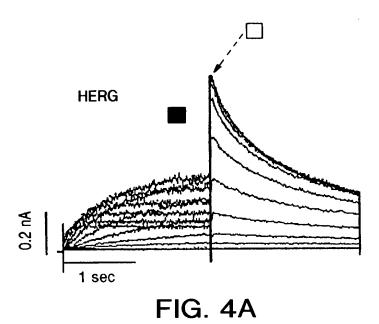
Applicant(s): Balser, et al. Serial No.: 10/000,151





Human KCR1,Regulation of Herg Potassium Channel Block Title:

Applicant(s): Serial No.: Balser, et al. 10/000,151



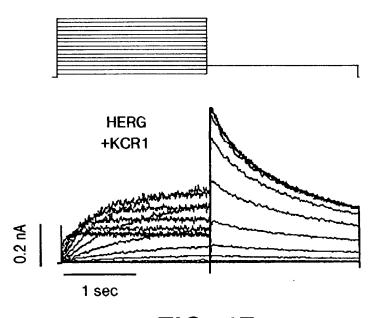
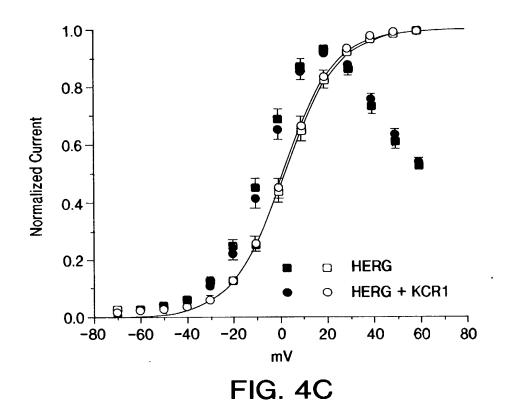
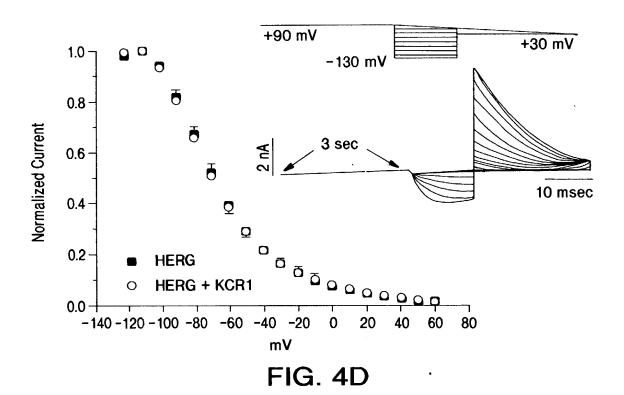


FIG. 4B

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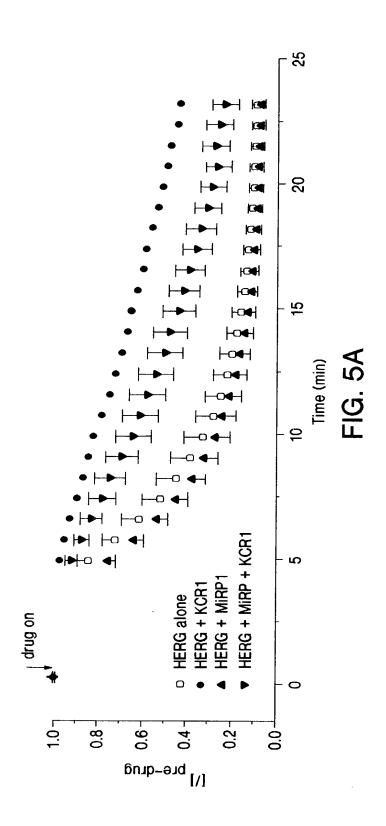




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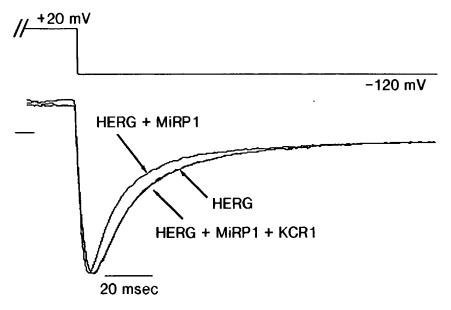


FIG. 5B

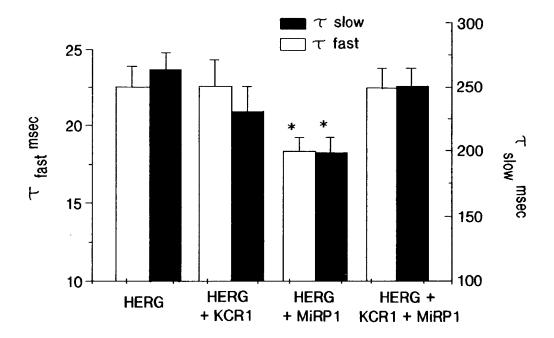


FIG. 5C